

BOS
MINUTES



Minutes of Board of Studies Meeting

29.07.2021

Department of Computer Science & Engineering has conducted the Board of Studies (BOS) Meeting on 29/07/2021 in online mode from 06.00 PM onwards.

Agenda of the BOS Meeting:

1. Discussions and approval of R-21 B.Tech. CSBS Program Structure.
2. Discussion on revision of R-21 B.Tech. CSBS course contents.
3. Any other point with the permission of Chair.

Members attended the Meeting:

S.No.	Name	Designation & Affiliation	Details
1	Dr. Venkatesulu Dondeti	Professor & Head, Department of CSE, VFSTR Deemed to be University	BoS Chairman
2	Prof Dr. P Radhakrishna	HOD, CSE, NIT, Warangal	External Member
3	Dr. Sudhakar Pandey	Associate Professor & HOD, IT, NIT RAIPUR	External Member
4	Dr. Susanta Kumar Satpathy	Assoc. Professor, Department of CSE, VFSTR Deemed to be University	Internal Member
5	Mr. V Rama Krishna Sajja	Asst. Professor, Department of CSE, VFSTR Deemed to be University	Internal Member & Coordinator
6	Mr. Ch. V. Rami Reddy	Asst. Professor, Department of CSE, VFSTR Deemed to be University	Internal Member
7	Dr. K Hemantha Kumar	Professor, Department of CSE, VFSTR Deemed to be University	Special Invitee
8	Dr. Nirupama Bhat	Professor, Department of CSE, VFSTR Deemed to be University	Special Invitee
9	Dr. S V Phani Kumar	Assoc. Professor, Department of CSE, VFSTR Deemed to be University	Special Invitee
10	Mrs. B Jyostna Devi	Asst. Professor, Department of CSE, VFSTR Deemed to be University	Special Invitee

Members unable to attend the meeting:

S. No.	Name of the Member	Affiliation & Designation	Details
1	Dr. Mahanand B S	Assoc. Professor, Dept of IT and CSBS, JSSSTU, MYSORE	External Member
2	Mr. Rajeev	Senior Director, App. Lifecycle management, SAP, Bangalore	External Member

Following points were discussed in the meeting:

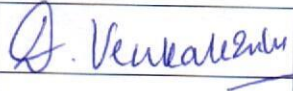
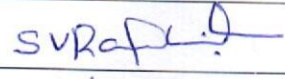
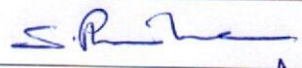

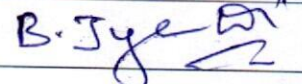
1. Dr. D Venkatesulu, HoD, CSE has invited all the external and internal members and presented the glimpses of R-21 CSBS Curriculum.

He explained the process followed in the preparation of R21 CSBS Course, CBCS has followed in this R21 CSBS Programme Curriculum also. R21 CSBS Course Structure is attached as Annexure I.

2. Mr. V Ramakrishna Sajja has initiated the presentation on R21 CSBS Curriculum. Firstly, he mentioned that course structure and contents are designed inline with the curriculum which has been designed by TCS.
All the BoS members have approved the collaborative curriculum.
3. Dr. Sudhakar Pandey has suggested to give credits to Auditing courses - Analytical and Logical Thinking Skills, Indian Traditional Knowledge and Indian Art Form
Dr. S.V.Phani Kumar said that "It is audit course, we are conducting external exams and student must pass the examination."
4. Dr. Sudhakar Pandey has suggested to include DLD course as it is pre requisite to Computer Organization and Arcitecture.
Dr. Venkatesulu Dondeti said that "we need to take prior approval from TCS and also the institutes which are offering this program has not made any change to the course curriculum described by TCS."
5. Prof Dr. P Radhakrishna and Dr. Sudhakar Pandey both have suggested to include "Wireless Sensor Networks, Mobile Computing, Deep Learning & Management Information Systems" courses under department electives.
Dr. Venkatesulu Dondeti accepted the comment, and it has been implemented.
6. Dr. Sudhakar Pandey has suggested to change the course tile "Introduction to IoT" as "Internet of Things" as it is present in elective pool.
Dr. Venkatesulu Dondeti accepted the comment, and it has been implemented.
7. Dr. Sudhakar Pandey has suggested to include the "Project Planning Evaluation and Management" Course under open elective.
Dr. Venkatesulu Dondeti accepted the comment, and it has been implemented.

After the discussions, Dr. Venkatesulu HoD, CSE thank all the internal and External members and meeting is adjourned. The approved Course Structure and Course contents were attached as Annexure.

Signatures:

1.		5.		9.	
2.		6.		10.	

3.		7.	K Hey		
4.	Schmidt	8.	Horn		

Copy to

1. Dean, Academics.
2. All BOS Members.
3. File.



R21 Course Structure

B.Tech. CSE - Computer Science and Business Systems

I Year I Semester

Course Name	L	T	P	C
Discrete Mathematics	3	-	-	3
Introductory Topics In Statistics, Probability and Calculus	3	-	-	3
Programming for Problem Solving	3	-	2	4
Basics of Electronics and Electrical Engineering	2	-	2	3
Fundamentals of Economics	2	-	-	2
Engineering Physics	2	-	2	3
Business Communication & Value Science - I	2	-	-	2
Physical fitness, Sports & Games-1	-	-	3	1
Total	17	-	9	21

I Year II Semester

Course Name	L	T	P	C
Linear Algebra	3	-	-	3
Statistical Modeling	3	-	2	4
Data Structures and Algorithms	3	-	2	4
Principles of Electronics	2	-	2	3
Business Communication & Value Science - II	2	-	-	2
Professional Skills and Practices	-	-	2	1
Workshop	1	-	2	2
Constitution of India	1	-	-	1
Physical fitness, Sports & Games-2	-	-	3	1
Total	15	-	13	21

II Year I Semester

Course Name	L	T	P	C
Formal Language and Automata Theory	3	-	-	3
Computer Organization and Architecture	3	-	-	3
Object Oriented Programming	2	-	4	4
Computational Statistics	3	-	2	4
Software Engineering	3	-	2	4
Environmental Science	1	-	-	1
Life skills-1	-	-	2	0
Technical Seminar-1 (Competencies in Social Skills)	-	-	2	1
Intra-disciplinary Project-1	-	-	2	1
Physical fitness, Sports & Games-3	-	-	2	1
Total	15	-	16	22

II Year II Semester

Course Name	L	T	P	C
Operating Systems	3	-	2	4
Database Management Systems	3	-	2	4
Design and Analysis of Algorithms	3	-	2	4
Operations Research	2	-	2	3
Financial Management	2	-	-	2
Human Resource Management	2	-	-	2
Life skills-II	-	-	2	1
Intra-disciplinary Project-2	-	-	2	1
Technical Seminar-II (Critical and Creative Thinking Skills)	-	-	2	1
Analytical and Logical Thinking Skills	-	-	2	0
Total	15	-	16	22

III Year I Semester

Course Name	L	T	P	C
Introduction to Innovation, IP Management and Entrepreneurship	3	-	-	3
Marketing Research and Marketing Management	2	-	-	2
Design Thinking	2	-	2	3
Compiler Design	3	-	-	3
Department Elective-I	3	-	2	4
Open Elective-I	3	-	-	3
Business Communication & Value Science - III	2	-	-	2
Employability skills-1	-	-	2	0
Inter-departmental Project-1 (Mini Project – 1)	-	-	4	2
Indian Traditional Knowledge	1	-	-	0
Total	19	-	10	22

III Year II Semester

Course Name	L	T	P	C
Artificial Intelligence	3	-	2	4
Information Security	3	-	2	4
Computer Networks	3	-	2	4
Business Communication & Value Science - IV	2	-	-	2
Department Elective-II	3	-	-	3
Financial and Cost Accounting	2	-	-	2
Fundamentals of Management	2	-	-	2
Employability skills-2	-	-	2	1
Inter-departmental Project-2	-	-	4	2
Competitive Coding	-	-	2	1
Indian Art Form	-	-	2	0
Total	18	-	16	25

DEPARTMENT ELECTIVE COURSES

Course Name	L	T	P	C
Department Elective - I				
Conversational Systems	3	-	-	3
Cloud, Microservices& Application	3	-	2	4
Machine Learning	3	-	2	4
Deep Learning	3	-	2	4
Department Elective - II				
Robotics and Embedded Systems	3	-	-	3
Modern Web Applications	3	-	2	4
Data Mining and Analytics	3	-	2	4
Mobile Computing	3	-	-	3
Department Elective - III				
Enterprise Systems	3	-	-	3
Advance Finance	3	-	-	3
Image Processing and Pattern Recognition	3	-	2	4
Management Information Systems	3	-	-	3
Department Elective - IV				
Cognitive Science & Analytics	3	-	2	4
Internet of Things	3	-	-	3
Cryptology	3	-	2	4
Wireless Sensor Networks	3	-	-	3

IV Year I Semester

Course Name	L	T	P	C
Usability Design of Software Applications	2	-	2	3
IT Workshop using Scilab	1	-	2	2
Business Strategy	2	-	-	2
Department Elective-III	3	-	2	4
Department Elective-IV	3	-	-	3
Services Science and Service Operational Management	3	-	2	4
IT Project Management	3	-	2	4
Societal Centric project	-	-	6	3
Total	17	-	16	25

IV Year II Semester

Course Name	L	T	P	C
Internship/ Project work	-	-	24	12
Total	-	-	24	12

OPEN ELECTIVE COURSES

Course Name	L	T	P	C
Behavioral Economics	3	-	-	3
Computational Finance & Modeling	3	-	-	3
Psychology	3	-	-	3
Project Planning Evaluation and Management	3	-	-	3



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B.Tech CSE – CSBS**



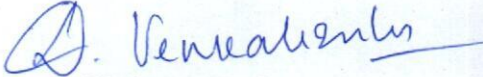
VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

Department of Computer Science and Engineering
R21 B.Tech CSE – Computer Science and Business Systems
List of new courses

- Discrete Mathematics
- Introductory Topics In Statistics, Probability and Calculus
- Programming for Problem Solving
- Basics of Electronics and Electrical Engineering
- Fundamentals of Economics
- Engineering Physics
- Business Communication & Value Science - I
- Physical fitness, Sports & Games-1
- Linear Algebra
- Statistical Modeling
- Data Structures and Algorithms
- Principles of Electronics
- Business Communication & Value Science - II
- Professional Skills and Practices
- Workshop
- Constitution of India
- Physical fitness, Sports & Games-2
- Formal Language and Automata Theory
- Computer Organization and Architecture
- Object Oriented Programming
- Computational Statistics
- Software Engineering
- Environmental Science
- Life skills-1
- Technical Seminar-1 (Competencies in Social Skills)
- Intra-disciplinary Project-1
- Physical fitness, Sports & Games-3

- Operating Systems
- Database Management Systems
- Design and Analysis of Algorithms
- Operations Research
- Financial Management
- Human Resource Management
- Life skills-II
- Intra-disciplinary Project-2
- Technical Seminar-II (Critical and Creative Thinking Skills)
- Analytical and Logical Thinking Skills
- Introduction to Innovation, IP Management and Entrepreneurship
- Marketing Research and Marketing Management
- Design Thinking
- Compiler Design
- Business Communication & Value Science - III
- Employability skills-1
- Inter-departmental Project-1
- (Mini Project – 1)
- Indian Traditional Knowledge
- Artificial Intelligence
- Information Security
- Computer Networks
- Business Communication & Value Science - IV
- Financial and Cost Accounting
- Fundamentals of Management
- Employability skills-2
- Inter-departmental Project-2
- Competitive Coding
- Indian Art Form
- Usability Design of Software Applications
- IT Workshop using Scilab
- Business Strategy
- Services Science and Service Operational Management
- IT Project Management
- Societal Centric project
- Conversational Systems
- Cloud, Microservices& Application

- Machine Learning
- Deep Learning
- Robotics and Embedded Systems
- Modern Web Applications
- Data Mining and Analytics
- Mobile Computing
- Enterprise Systems
- Advance Finance
- Image Processing and Pattern Recognition
- Management Information Systems
- Cognitive Science & Analytics
- Internet of Things
- Cryptology
- Wireless Sensor Networks
- Behavioral Economics
- Computational Finance & Modeling
- Psychology
- Project Planning Evaluation and Management


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B.Tech CSE – CSBS



Department of Computer Science and Engineering
R21 B.Tech CSE – Computer Science and Business Systems
Course Categorization

Course Title	Course Category
Discrete Mathematics	Skill Development
Introductory Topics In Statistics, Probability and Calculus	Skill Development
Programming for Problem Solving	Employability
Basics of Electronics and Electrical Engineering	Skill Development
Fundamentals of Economics	Skill Development
Engineering Physics	Skill Development
Business Communication & Value Science - I	Entrepreneurship
Physical fitness, Sports & Games-1	Skill Development
Linear Algebra	Skill Development
Statistical Modeling	Skill Development
Data Structures and Algorithms	Skill Development
Principles of Electronics	Skill Development
Business Communication & Value Science - II	Entrepreneurship
Professional Skills and Practices	Skill Development
Workshop	Skill Development
Constitution of India	Skill Development
Physical fitness, Sports & Games-2	Skill Development
Formal Language and Automata Theory	Skill Development
Computer Organization and Architecture	Skill Development
Object Oriented Programming	Employability
Computational Statistics	Skill Development
Software Engineering	Skill Development
Environmental Science	Skill Development
Life skills-1	Skill Development
Technical Seminar-1 (Competencies in Social Skills)	Skill Development
Intra-disciplinary Project-1	Skill Development
Physical fitness, Sports & Games-3	Skill Development

Operating Systems	Skill Development
Database Management Systems	Skill Development
Design and Analysis of Algorithms	Employability
Operations Research	Skill Development
Financial Management	Entrepreneurship
Human Resource Management	Entrepreneurship
Life skills-II	Skill Development
Intra-disciplinary Project-2	Skill Development
Technical Seminar-II (Critical and Creative Thinking Skills)	Skill Development
Analytical and Logical Thinking Skills	Skill Development
Introduction to Innovation, IP Management and Entrepreneurship	Entrepreneurship
Marketing Research and Marketing Management	Entrepreneurship
Design Thinking	Skill Development
Compiler Design	Skill Development
Business Communication & Value Science - III	Entrepreneurship
Employability skills-1	Skill Development
Inter-departmental Project-1 (Mini Project – 1)	Skill Development
Indian Traditional Knowledge	Skill Development
Artificial Intelligence	Employability
Information Security	Skill Development
Computer Networks	Skill Development
Business Communication & Value Science - IV	Entrepreneurship
Financial and Cost Accounting	Entrepreneurship
Fundamentals of Management	Entrepreneurship
Employability skills-2	Skill Development
Inter-departmental Project-2	Skill Development
Competitive Coding	Employability
Indian Art Form	Skill Development
Usability Design of Software Applications	Skill Development
IT Workshop using Scilab	Skill Development
Business Strategy	Entrepreneurship
Services Science and Service Operational Management	Entrepreneurship
IT Project Management	Entrepreneurship

Societal Centric project	Skill Development
Conversational Systems	Skill Development
Cloud, Microservices& Application	Employability
Machine Learning	Employability
Deep Learning	Employability
Robotics and Embedded Systems	Employability
Modern Web Applications	Employability
Data Mining and Analytics	Skill Development
Mobile Computing	Skill Development
Enterprise Systems	Skill Development
Advance Finance	Skill Development
Image Processing and Pattern Recognition	Skill Development
Management Information Systems	Entrepreneurship
Cognitive Science & Analytics	Skill Development
Internet of Things	Employability
Cryptology	Skill Development
Wireless Sensor Networks	Skill Development
Behavioral Economics	Entrepreneurship
Computational Finance & Modeling	Entrepreneurship
Psychology	Skill Development
Project Planning Evaluation and Management	Entrepreneurship

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